

Report on the EUMETSAT Satellite Conference 2015

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I would like to thank the European Meteorological Society for providing me with the Young Scientist Travel Award (YSTA) for the EUMETSAT Satellite Conference in September 2015 in Toulouse, France. This conference was organized by EUMETSAT (European Organisation for the Exploitation of Meteorological Satellites) in cooperation with Météo France.

A wide spectrum of scientific research areas were covered in seven (often parallel) sessions, comprising (1) current and future satellites, instruments and their applications, (2) advances in utilisation of satellite data for nowcasting and limited area modelling, (3) scientific achievements and future objectives in climate observations with satellites, (4) atmospheric composition, (5) instrument calibration and validation campaigns, (6) preparation for the use of data from new geostationary satellites and (6) marine meteorology and oceanography. In addition, many scientists used the opportunity to present their work during a large poster session on Tuesday and Wednesday afternoon.

My area of research comprises Atmospheric Motion Vectors (AMVs), which are derived by tracking the drift of cloud structures in consecutive satellite images and thus provide valuable wind information for numerical weather prediction models. The aim of my work is to correct operational AMV pressure heights from geostationary satellites with independent lidar observations from the polar-orbiting satellite CALIPSO. I presented results of my work in a talk during the session “advances in utilisation of satellite data for nowcasting and limited area modelling” and got great feedback and valuable suggestions afterwards.

In general, attending the EUMETSAT Satellite Conference in Toulouse was an amazing experience for me. I think that this conference offers an exceptional wide range of research topics and provides a very good environment to meet people from various scientific areas of satellite research. This provides a unique opportunity to gain insight into different fields of science related to current and future satellite missions.

Again, I would like to thank the European Meteorological Society for awarding me with the Young Scientist Travel Award. Considering the limited financial funding of research institutions, the offered travel award assists young scientists in attending this high-level conference. For me, receiving the YSTA was a valuable support for participating in the EUMETSAT Satellite Conference.

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